

19991219.qrp v01_n674.qrl.991219

Date: Sun, 19 Dec 1999 19:03:06 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1674

QRP-L Digest 1674

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- 1) [58368] Re: Receivers: More on Active Filters
by Chris Trask <ctrask@primenet.com>
- 2) [58369] Slinky Antennas
by "William K. Harding" <k4ahk@ix.netcom.com>
- 3) [58370] Backup email acct.
by Ed Loranger <we6w@netzero.net>
- 4) [58371] Extended Question: Which is Best
by hamjoel@juno.com
- 5) [58372] Tube Shortwave kit - Manual source
by Roger Hightower <n7kt@earthlink.net>
- 6) [58373] Rigs
by Paul <pheibert@rica.net>
- 7) [58374] Active Filter for TT 509
by jbhenson@zebra.net (James Bartley Henson III)
- 8) [58375] Re: Rigs
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- 9) [58376] RE: Neat Tidbits -- New QRP'r & QRP'r scores on 30m
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by "D.K. Philbin" <dphilbin@thegrid.net>
- 11) [58378] Neat light source for QRP operations
by BenNW7DX@aol.com
- 12) [58379] Re: Extended Question: Which is Best
by "Radman" <radman@best.com>
- 13) [58380] Re: Practical RF Design Manual by Doug DeMaw
by "Radman" <radman@best.com>
- 14) [58381] RE-Rigs!
by "colin" <gw3wsu@gw8nnc.screaming.net>
- 15) [58382] Your Christmas wish?
by "Frank G3YCC" <frank@g3ycc.karoo.co.uk>
- 16) [58383] RE: [Elecraft] Re: Receivers: CW Filters, More Comments from the Doctor
by DL2FI@t-online.de (Peter Zenker)
- 17) [58384] Re: Your Christmas wish?
by "Sly (9M8SL)" <cqsly@tm.net.my>
- 18) [58385] RE: Extended Question: Which is Best
by "Dan W. Dooley" <dandooley@pipeline.com>

- 19) [58386] Re: Practical RF Design Manual by Doug DeMaw
by Chris Trask <ctrask@primenet.com>
- 20) [58387] GET da FOX!
by "Steve/n0tu" <n0tu@webaccess.net>
- 21) [58388] Fw: Incredible... and I still can't believe it!
by "John Paul Keon" <jpkeon@worldnet.att.net>
- 22) [58389] Fw: [GQRP] Her Majesty's Ether
by "John Paul Keon" <jpkeon@worldnet.att.net>
- 23) [58390] WTB: 20 meter 5 watt CW QRP transceiver
by WB9MII@aol.com
- 24) [58391] Re: Short portable antennas
by w4bws@juno.com
- 25) [58392] QRP 2000 Calendar
by "Ken Hanks" <ken.hanks@po.state.ct.us>
- 26) [58393] Re: Practical RF Design Manual by Doug DeMaw
by "George T. Baker" <w5yr@worldnet.att.net>
- 27) [58394] Re: Practical RF Design Manual by Doug DeMaw and other books.
by "Vincent Ferme" <vferme@sprint.ca>
- 28) [58395] Re: Practical RF Design Manual by Doug DeMaw
by Chris Trask <ctrask@primenet.com>
- 29) [58396] Re: Practical RF Design Manual by Doug DeMaw and other books.
by "George T. Baker" <w5yr@worldnet.att.net>
- 30) [58397] Antennas - Slinky antennas
by "Walter Dufrain" <walter@inlink.com>
- 31) [58398] Re: Practical RF Design Manual by Doug DeMaw
by Roger Hightower <n7kt@earthlink.net>
- 32) [58399] SLINKY NITE
by ARDUJENSKI@aol.com
- 33) [58400] QRP-L Notice
by "Charles Mabbott" <crmabbott@mediaone.net>
- 34) [58401] Re: Rigs
by Charles Greene <cgreene@loa.com>
- 35) [58402] Re: Practical RF Design Manual by Doug DeMaw
by "Chuck Adams K7Q0" <k7qo@primenet.com>
- 36) [58403] Re: Practical RF Design Manual
by "Chuck Adams K7Q0" <k7qo@primenet.com>
- 37) [58404]
by Ron White <rwhite@netins.net>
- 38) [58405] Fw: [GQRP] Free Electricity
by "John Paul Keon" <jpkeon@worldnet.att.net>
- 39) [58406] QRP Contest Calendar!!
by "Tim Cook" <timcook@erinet.com>
- 40) [58407] NET Reminders
by EdLoranger <we6w@netzero.net>
- 41) [58408] More on R/S 22-504 pwr sply
by "Bob Tellefsen" <n6wg@earthlink.net>
- 42) [58409] FS: Gel Cell Batteries
by Tim English <tje@usol.com>

- 43) [58410] 160m Stew Perry Challenge contest
by "Bob Tellefsen" <n6wg@earthlink.net>
- 44) [58411] QRP-L Number - How?
by REDSBOY@aol.com
- 45) [58412] MRX-40 test successful!
by Goemans <jgoemans@facstaff.wisc.edu>
- 46) [58413] Re: Neat light source for QRP operations
by kc8aon@juno.com
- 47) [58414] Re: Neat light source for QRP operations
by BenNW7DX@aol.com
- 48) [58415] nbr
by Gordon <gordon@znet.groupz.net>
- 49) [58416] Re: Short portable antennas
by Bruce Muscolino <w6toy@erols.com>
- 50) [58417] RF Feedback
by Charles Greene <cgreene@loa.com>
- 51) [58418] Re: Neat light source for QRP operations
by "Ron Polityka" <wb3aal@talon.net>
- 52) [58419] FS: Wilderness Sierra
by The Boices <kw1nd@arrl.net>
- 53) [58420] Re: Neat light source for QRP operations
by "Bob Tellefsen" <n6wg@earthlink.net>

Date: Sat, 18 Dec 1999 17:01:16 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: "James R. Duffey" <jamesd1@flash.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [58368] Re: Receivers: More on Active Filters
Message-ID: <Pine.BSI.3.96.991218165948.8368B-1000000@usr02.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The older (1960's) ARRL handbooks have circuits for AGC systems that have continuously variable attack and delay controls. The tube circuits can be easily converted to solid state. These are all similar to the circuits that Collins used in their better communications receivers.

Chris

On Sat, 18 Dec 1999, James R. Duffey wrote:

> Steve - Your points are well taken.
>
> Audio AGC can be difficult to implement and poor audio AGC can result in

> thump. However some designers have made acceptable audio agc by judicious
> choice of AGC thresholds gain as well as attack and decay rates.
>
> Audio AGC has also been implemented in a second control loop (in addition to
> IF derived AGC) which, if properly designed, can result in AGC action
> without thumps.
>
> There are poorly designed IF derived AGC systems which thump. My old FT101E
> with 600 Hz CW filter is a prime example of this. To make it worse there is
> no way to turn off the AGC.
>
> Actually I prefer to listen to CW without AGC. - Dr. Megacycle KK6MC/5
>
> 30 Casa Loma Road
> Cedar Crest, NM 87008
>
> -----
> >From: "Steven Weber" <kd1jv@moose.ncia.net>
> >To: jamesd1@flash.net
> >Cc: qrp-l@lehigh.edu
> >Subject: Re: Receivers: More on Active Filters
> >Date: Sat, Dec 18, 1999, 08:49 AM
> >
>
> >> 2. If possible, it is best to have selectivity inside the AGC loop. This
> >> prevents the AGC from reducing the gain on strong off frequency signals.
> >
> >I discovered this can be a problem, when using audio derivied AGC and
> >using an audio filter before the AGC detection. See, the filter
> >interduces a time delay. This results in an inital "pop" as the AGC
> >is slow to respond to the intial signal and can also lead to
> >overshoot in the AGC. Very annoying on fast CW signals.
> >
> >Therefore, you get a much better sounding AGC if the detector is
> >before any audio filters. If the receiver relies on audio filtering
> >for most or all of it's selectivity, than strong adjacent signals
> >will produce AGC pumping. All in all, I'd rathier have the occasional
> >AGC pumping than the consitant popping.
> >
> >Another reason to have AGC before the audio filter is to ensure the
> >filter doesn't saturate or otherwise distort. This can be very
> >important when using SCAF's. (which BTW, have a significant
> >propagation delay) When building a DC receiver, it's best to have the
> >volume control before the audio filters, not after. This ensures the
> >filters don't go into saturation and produce clipping with strong
> >signals.
> >
> >Of course, the best solution is to have a decent xtal filter before

> >the IF amp to start with. Now, the only reason to have audio
> >filtering is to reduce the audio BW, helping to reduce high frequency
> >hiss.
> >
> >72,
> >Steve, KD1JV in the white Mountains of New Hampshire
> >"melt solder"
> >
>

```

      ,-----,
    /  What's all this  \
   / extinct stuff, anyhow? \
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High Performance Mixers and
Amplifiers for RF Communications

Chris Trask / N7ZWY
Principal Engineer
Sonoran Radio Research
P.O. Box 25240
Tempe, Arizona 85285-5240

Technical Editor,
QRP Quarterly
QRP ARCI 9464

Email: ctrask@primenet.com
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

Date: Sat, 18 Dec 1999 19:35:12 -0500
From: "William K. Harding" <k4ahk@ix.netcom.com>
To: "qrp-l mail" <qrp-l@lehigh.edu>
Subject: [58369] Slinky Antennas
Message-ID: <199912190035.TAA11823@smtp6.mindspring.com>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

For those seeking a source of slinky antennas, please look at the Antennas
West "Helitrix" on Radio Paul's site:

<http://www.fix.net/~jparker/radiopaul/aw.htm>

Bill - K4AHK
Burke, VA

Date: Sat, 18 Dec 1999 18:52:14 -0800
From: Ed Loranger <we6w@netzero.net>
To: qrp-l@lehigh.edu
Subject: [58370] Backup email acct.
Message-ID: <385C485E.76C79D9F@netzero.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang, I just got set up with <mailto:we6w@netzero.net>
I still have we6w@qsl.net, just not over the holidays.

FYI. 72/Ed we6w Santa Rosa, CA.

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Date: Sat, 18 Dec 1999 22:59:14 -0500
From: hamjoel@juno.com
To: qrp-l@lehigh.edu
Subject: [58371] Extended Question: Which is Best
Message-ID: <19991218.225922.-197013.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Firstthanks to the many who have shared their experiences with the
icom 735 and 706mk2

My question now becomes: HOW does the K2 compare with these two icom
rigs?

The reason for me taking up bandwidth with this is that I might be able
to purchase a new (used) rig... and I have found I do need a bit extra
power for the sstv mode and I do need more stability for psk31....

If the receiver on the k2 can match the icom and I can get one of the 25
or 50 w finals for the k2 then I should be able to do the sstv bit and be
a happy camper with a new instead of a used rig... AND still have the
qrp++ to use in the truck...

anyhow I do appreciate the help... and u guys putting up with my "cajun

mama" and sneaux, kneaux humbug...

I am puzzled though I got no response to my treatment on transmission lines using the garden hose analogy... was I off the mark? of missed the question? I thought I had hit the nail on the head with a non technical analogy.... but then the last time I was mistaken "I thought>" :-)

Joel KE1LA
In Maine
in below ZERO TEMPS TONITE
TAINT RIGHT FOR A YOUNG CAJUN LAD

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Date: Sat, 18 Dec 1999 21:05:49 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: ELECRAFT <elecraft@qth.net>, QRP-L <qrp-l@lehigh.edu>
Subject: [58372] Tube Shortwave kit - Manual source
Message-ID: <385BF72D.80751329@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For a little change of pace from your solid-state building endeavors, check this page out:

<http://www.ghostmoon.bigstep.com/homepage.html>;
\$sessionId\$FDCLH3YAAAA05WGIHUVETIWYZA4S1PX0

I just completed the shortwave receiver kit, and it was fun. Quite a bit different from plugging components into a PC board....it's all point to point wiring. The cool thing is that it glows, and provides heat, and smells like a radio.

The other half of the subject line pertains to a source of vintage manuals:

<http://www.w7fg.com>

I received the manuals for the HP-1741A scope, and am really pleased. The operator's manual is an original, and the service manual is a copy. The copy is excellent...crisp, clear, and with full-size foldouts. Now I can get on with figuring this beast out.

Off topic a bit, but I think you'll like the sites.

--

73, de Roger, N7KT
qrp-l #62, NorCal #1099, Zombie #006
Mesa, AZ 85202

Date: Sat, 18 Dec 1999 23:20:30 -0500
From: Paul <phelbert@rica.net>
To: Low Power Discussion Group <qrp-l@Lehigh.EDU>
Cc: hamjoel@juno.com
Subject: [58373] Rigs
Message-ID: <385C5D0E.D7CAC626@rica.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hey Joel,

I saw your request for comparison of the 735, 706MII and K2. I am in a position to do that indirectly as far as the receivers are concerned.

A couple of months ago I dropped by W4PJW's home QTH in Churchville, VA with my K2. Jeff has been an Icom man and a very critical receiver appreciator as long as I have known him. Ten years ago his main rig was the 730. He replaced it in his shack with the 741A and later replaced it (the 730) in his car with the 706MII. He also had a 735 along the way. His side by side testing of receivers with his various antennas over time led him to class these rig's receivers as 741A first, 730 second, 735 third and 706MII fourth. My K2 heard everything his 741A heard and his 741A heard everything my K2 heard, but the listening was easier (lower noise floor) on the K2.

Hope this helps,

Paul, Wv3j
(Half way between Maine and Louisiana)

<http://home.rica.net/phelbert> (world cup news...Yep, KC4UZG is World Champion)

Date: Sat, 18 Dec 1999 22:53:14 -0600
From: jbhenson@zebra.net (James Bartley Henson III)

To: QRP-L Reflector <qrp-l@Lehigh.EDU>
Subject: [58374] Active Filter for TT 509
Message-ID: <385C64B9.5CDEFE05@zebra.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello to the Group,

The reading on the SCAF vs. active audio filters has been interesting, particularly since my latest project has been the addition of an active filter to my Ten Tec 509. The IF selectivity in the 509 leaves much to be desired. I have used a DSP with some success. The NIR-12 does dig weak signals out of the noise, but in amplifying those signals, it also amplifies the noise much to the discomfort of the ears.

My starting point was Doug Demaw's active filter design in "W1FB's Design Notebook" (1994 second printing edition), pages 133 to 135. It is interesting to note that the schematic for this filter and the Ten Tec 245 CW filter are virtually identical. The major difference is the 22k resistors in the "Notebook" design are replaced with a 15k and 6.8k in series on the Ten Tec design. The pc board pattern presented in the "Notebook" is fairly close to the schematic for the Ten Tec 245.

The indicated Q for each stage is 3 and the overall gain is 2.1 at 750hz. Back calculating, using the indicated component values, produced a calculated Q=2.5 and overall gain of 2.1 (each stage has a gain of 1.1). In use, I found this to be lacking in the desired selectivity. My modifications included:

Leaving stage 1 alone. This works well for SSB work, which I don't use.

Changing the Q of stages 2, 3 & 4 to 5.5. The steeper skirts really improve the overall selectivity as each stage is added into the audio chain. The bad side of this change is the weakening of the audio signal. To counter this, I changed the gain of the final stage from 1.1 to 1.5.

The addition & modification of the active filter has really paid off in using the 509. Selectivity has been improved tremendously. Is this the greatest thing since sliced bread? It works well for me and has made operating CW more pleasurable and fun.

Anyhow, my \$.02 worth.

To all on the list, my very best wishes for a happy and safe holiday season. May the new year bring you all the good things in life.

72,
jay
N4XDW

Date: Sat, 18 Dec 1999 21:47:01 -0800
From: "K7FD-N7SG" <cqdx@teleport.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [58375] Re: Rigs
Message-ID: <006601bf49e4\$7ae89fe0\$a3231ad8@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

WV3J says:

>Hey Joel,
>
>I saw your request for comparison of the 735, 706MII and K2. I am in a
>position to do that indirectly as far as the receivers are concerned.

I do not have the 735 or MKII, but can compare the Omni VI, IC-775DSP,
IC-756, TS-50s, and the K2.

And the winner is: Elecraft K2

Lower noise floor and more receiver sensitivity. ZS4TX on 80m SSB easy copy
on the K2. Tried to work him QRP, but no go. Switched to the IC-775DSP for
more power, but could then barely hear him! I did manage to log him...but he
was much better copy on the K2.

And if you thought the Omni VI was king on cw, the K2 runs circles around
it. The QSK on the K2 is what I was expecting from the Ten Tec and never got
it...

Comparing the K2 to the MKII w/ VHF is maybe a lil' like comparing apples to
oranges, but if you're looking for a hi-pro HF rig, you'd be hard pressed to
find a better rig than the K2. The only drawback to some might be the 10w
PEP output...

Happy Holidays!

73 John K7FD

Date: Sun, 19 Dec 1999 00:03:57 -0600 (CST)
From: aweiss@usd.edu (Ade Weiss WORSP)
To: qrp-l@lehigh.edu
Subject: [58376] RE: Neat Tidbits -- New QRP'r & QRP'r scores on 30m
Message-ID: <199912190603.AAA28667@sunburst.usd.edu>

Hi gang:

Neat eavesdropping this afternoon while I was preparing my Viking 3x5 for the new millenium by adding a 386 audio amp -- back when I designed it we still used discrete transistor output at Hi-Z, which has been a real pain for years since cheapo lite 8-ohm phones have become available.

At any rate, I was tuning around checking the final results and came across a 30wpm QSO on 20m -- "new qrp rig" caught my attention, so I hung around. It was really nostalgic. The othr guy asked about where the first guy bought the rig. To which he answered, "didnt buy it. I built it myself. I got it working myself." There's that old sense of pride that comes from building your own! It's the first thing he'd built! He didn't mention the actual kit. Sooner or later he'll find out about the list and show up here!

Like I said in my now infamous "Nordic Saga" Dayton speech (which took all of 47 minutes, despite what you've heard to the contrary :)], we all owe a great debt of gratitude to our famous kit-designers who made it easy, economical, and attractive for non-QRP'rs to both build something and find a new home! Wayne's SST got me building again, and no stopping now! So, thanks to you guys for building up your technical know-how and putting in all the time designing really superb rigs. And we all ought to remember that this includes just a small group of dedicated QRP'rs.

Other tidbit -- R1AND (Antartica) has been showing up around 2200 on 30m and sometimes looking for QSO's. I call him on-and-off as a matter of course -- worked him a month ago so so. But 12/14, up comes the QRP signal of KC4TVN/QRP, and Mike heard the /QRP and QRZ'd. They finished the QSO with R1AND using KC4TVN/QRP on each exchange. Well done! [No, I haven't worked him since the first time although I've called a lot.....:] It's great to hear another QRP'r step into the horde and get the rare one!

72, Ade

Date: Sat, 18 Dec 1999 22:10:13 -0800
From: "D.K. Philbin" <dphilbin@thegrid.net>
To: qrp-l@Lehigh.edu
Subject: [58377] Practical RF Design Manual by Doug DeMaw
Message-ID: <4.1.19991218220631.00936a70@mail.thegrid.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Has anyone purchased this book? I am interested in what you think. I was given a gift certificate to amazon.com and I was looking for info on RF design. I already had the late DeMaw's other books. I am a college chemistry teacher not an electrical engineer but I would like some nuts and bolts and equations. Any ideas?

Thanks!
D.K. Philbin KD6TK

Date: Sun, 19 Dec 1999 01:13:21 EST
From: BenNW7DX@aol.com
To: qrp-l@lehigh.edu
Subject: [58378] Neat light source for QRP operations
Message-ID: <0.c6b1fa4d.258dd181@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hello,

While the power went out over here from high winds, I used something that could probably also be used for portable operations. This is a "book light" (they are small lights that clip on to books for reading). I got one of these a couple weeks ago and it is just about perfect as a light source. The kind that I have takes 4 AA batteries and puts out more than enough light. I know there was some talk about using a candle for when the power goes out, but I'm not so sure that I would want to operate by candle power in the outdoors with all the wind, so it looks like these book lights might work just perfect!

73,

Ben - NW7DX
Seattle, WA

Date: Sat, 18 Dec 1999 22:31:18 -0800
From: "Radman" <radman@best.com>
To: <hamjoel@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [58379] Re: Extended Question: Which is Best
Message-ID: <016201bf49ea\$acf0cb60\$94dd56ce@vip.best.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Joel,

You wrote: >My question now becomes: HOW does the K2 compare with the Icom 735 and 706mk2?<

Here's my 2 cents & various thoughts...

1.) I own two of them (K2 & IC-735) and have extensively operated all three rigs. The K2 has unquestionably the best receiver of the three, IMO. Very low noise floor, extremely stable (psk31-able) and it **will** run/survive with the Big Dogs in the contests -- excellent filters and front-end.

2.) K2 transmit section -- current-rev firmware will support nominal 15 watts output. Eric (at Elecraft) is designing a PA that will offer 50 or 100w, but that option will not be available until sometime in Y2K. Naturally, you could always roll your own amp if you need more power for digital modes, sstv, etc...

3.) K2-Mojo -- you'll want to "research" the K2-Mojo phenomenon, Joel. I'm absolutely serious. It's a daily topic on the Elecraft reflector. Briefly, the K2 has some "ethereal quality" that **no** radio guru (not even, Wayne Burdick) can explain! The K2 **will** get thru/around the QRM/QSB/QRN when the other rigs can't. Many K2 ops have reported this. I've experienced it myself. I can't account for it. But, it's true! :)

Executive Summary: You'll have the most fun (if you like to build) with the K2, and you'll get K2-Mojo for no extra cost. It's a real blast to build and operate. OTOH, if you need a factory-built 100w all-bander that's tough as the 'proverbial brick outhouse' with a good receiver, the IC-735 is a great buy on the used market at ~\$550. My 735's never been in for service... just keeps on tickin'. Yet, I rarely use the 735, since I built the K2 --

talk to some K2 owners :-))

GL with your decision,

73 - Conrad - NN6CW

BTW, Joel... is there such a thing as Cajun Mojo ? :-))

Date: Sun, 19 Dec 1999 00:27:55 -0800
From: "Radman" <radman@best.com>
To: <dphilbin@thegrid.net>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [58380] Re: Practical RF Design Manual by Doug DeMaw
Message-ID: <019701bf49fa\$fc32c2e0\$94dd56ce@vip.best.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Prof Philbin,

Indeed, DeMaw's "Practical RF Design Manual" is a must-have for all of us who are non-Double-E's -- and that includes me! Great stuff! You can order thru amazon.com, although it doesn't appear to be available for immediate shipment. You can also order from MFJ Publishing Co at URL:
<http://www.mfjenterprises.com/price/prbooks.html>
Price is \$19.95 from either.

AND, if you don't already have a copy of "The Art of Electronics," by Horowitz and Hill... you have to pick that one up! :-)
This book is *the* must-have reference for non-double-E's and EE's. These are brilliant, witty and enlightening authors who've written the only text/reference work that I can honestly say is utterly enjoyable AND educational ! :-)

Check out the official web page at URL:
<http://www.artofelectronics.com/index.html>

You can order it for \$51.50 from bookpool.com (cheaper than amazon!)
URL: <http://www.bookpool.com/.x/kbekpxvwx8/ss/1?qs=The+Art+of+Electronics>

Happy reading,

Conrad Weiss - NN6CW

Has anyone purchased this book? I am interested in what you think. I was given a gift certificate to amazon.com and I was looking for info on RF design. I already had the late DeMaws other books. I am a college chemistry teacher not an electrical engineer but I would like some nuts and bolts and equations. Any ideas?

Thanks!

D.K. Philbin KD6TK

Date: Sun, 19 Dec 1999 10:26:48 -0000
From: "colin" <gw3wsu@gw8nnc.screaming.net>
To: "Low Power Amateur Radio QRP Discussion" <qrp-l@Lehigh.EDU>
Subject: [58381] RE-Rigs!
Message-ID: <009a01bf4a0b\$8fba2520\$8f81bcd4@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just a short one:- Comparing the NC20 to the IC-746. The NC20 has a MUCH better noise figure, & is more "pleasant" to listen to. I thought all the noise was locally generated until I built the NC20!!
73, de Colin gw3wsu@gw8nnc.screaming.net

Date: Sun, 19 Dec 1999 11:04:50 -0000
From: "Frank G3YCC" <frank@g3ycc.karoo.co.uk>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [58382] Your Christmas wish?
Message-ID: <00f801bf4a10\$e0188a20\$c9a832d4@prsat0xl>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Have you sent your note up the chimney to Santa yet? What is on your list of goodies? In the words of a fairly popular female musical (and I use the term

loosely), 'what do you really, really want' for Christmas? A nice new rig? A new kit to make up on Boxing Day? A new soldering iron? Come on guys, open up your hearts and tell Uncle Frank! Not that I can guarantee anything though!
Cheers

...
Frank G3YCC
QRP web page <http://www.g3ycc.karoo.net>

Date: Sun, 19 Dec 1999 12:40:59 +0100
From: DL2FI@t-online.de (Peter Zenker)
To: "Wayne Burdick" <n6kr@elecraft.com>, <qrp-1@lehigh.edu>
Cc: <ac7a@gci-net.com>, <jamesd1@flash.net>
Subject: [58383] RE: [Elecraft] Re: Receivers: CW Filters, More Comments from the Doctor
Message-ID: <001201bf4a15\$eb89aba0\$0084fea9@ZenkerPN>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> -----Original Message-----
> From: owner-elecraft@qth.net [mailto:owner-elecraft@qth.net] On Behalf Of
> Wayne Burdick
> Sent: Saturday, December 18, 1999 7:11 PM
>
> If you want low-noise audio at low signal levels, nothing beats an analog
> filter using one of the many ultra low-noise op-amps, such as the OPA-27
> (or at least an LM833 or NE5532).
>

Sory Wayne, but IMHO it will be outplaced by a PASSIV LC Filter based on high Q 88mH Torroids followed by a low noise discrete AF amplifier :-)

The beste active filter I know is one which uses an extra OPamp as a virtual inductivity that workes as a Q-Multiplier (like in IF stages in older days)
If you are interested, I will scan the schematic for you

Peter, DL2FI

Date: Sun, 19 Dec 1999 20:45:20 +0800
From: "Sly (9M8SL)" <cqsly@tm.net.my>
To: frank@g3ycc.karoo.co.uk
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [58384] Re: Your Christmas wish?
Message-ID: <19991219124520.CIV029952@user>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Ho Ho Ho Santa Frank & All QRP's reindeers,

I don't new a new rig, coz mine is still a.o.k
I don't need a new kit, as I've some lying around unfinished.
I don't need a soldering iron, for I've a few to many.
What I wish for is, a contact with you guys/gals on X'mas eve to make my day !
I'll try to be on 15 and 20 meters on the qrp ssb frequencies that day in my
local evenings (13:00 to 16:00 UTC) to say hello.
If you don't hear from me on X'mas eve, I might have one to many already !!!
Also, hope my antlers are still functioning by then, or else I've to borrow
one of Rudolf's ! Hee hee...

Cheers es Merry X'mas to All,
Vy 72 de Sly, 9M8SL
>From 'The Hidden Paradise of Borneo'
East Malaysia.

At 11:04 AM 12/19/99 -0000, you wrote:

>Have you sent your note up the chimney to Santa yet? What is on your list of
>goodies? In the words of a fairly popular female musical (and I use the term
>loosely), 'what do you really, really want' for Christmas? A nice new rig? A
>new kit to make up on Boxing Day? A new soldering iron? Come on guys, open
>up your hearts and tell Uncle Frank! Not that I can guarantee anything
>though!
>Cheers
>
>...
>Frank G3YCC
>QRP web page <http://www.g3ycc.karoo.net>
>
>
>

Date: Sun, 19 Dec 1999 07:03:43 -0600
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: <hamjoel@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [58385] RE: Extended Question: Which is Best
Message-ID: <000701bf4a21\$7a7dbc60\$04987b7b@dooleydw>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

Joel, it was too technical and advanced for me(>) I spent some time after reading it trying to match your analogy against some so-called technical books here. I think you put 'em to shame. I'm embarrassed at my ignorance. That's why I didn't respond. Maybe some others were equally embarrassed. Now all I can think about are water hoses.

Dan W. Dooley - WB5TKA Y2K Complacent
 e-mail to: <mailto:dandooley@pipeline.com>
Si Hoc Legere Scis Nimium Eruditionis Habes

>
> I am puzzled though I got no response to my treatment on
> tranmission lines using the garden hose analogy... was I off the mark? of
> missed the question? I thought I had hit the nail on the head with a non
> technical analogy.... but then the last time I was mistaken "I thought">
> :-)
>
>
> Joel KE1LA
> In Maine
> in below ZERO TEMPS TONITE
> TAIN'T RIGHT FOR A YOUNG CAJUN LAD

Date: Sun, 19 Dec 1999 06:23:41 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: "D.K. Philbin" <dphilbin@thegrid.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [58386] Re: Practical RF Design Manual by Doug DeMaw
Message-ID: <Pine.BSI.3.96.991219061957.18116A-100000@usr07.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I bought a copy of this recently. It's above average as far as a hobby design manual goes, and a lot of the circuitry in here would probably be above the heads of most entry-level engineers.

Some of the devices, such as the 3N211 dual-gate FETs, may be unavailable, but suitable replacements can be found.

Nice section on wideband transformers and matching networks.

Chris

On Sat, 18 Dec 1999, D.K. Philbin wrote:

```
> Has anyone purchased this book? I am interested in what you think. I was
> given a gift certificate to amazon.com
> and I was looking for info on RF design. I already had the late DeMaws
> other books. I am a college chemistry teacher not an electrical engineer
> but I would like some nuts and bolts and equations.
> Any ideas?
>
> Thanks!
> D.K. Philbin KD6TK
>
```

```

      ,-----'
    /   What's all this   \
  / extinct stuff, anyhow? /
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```

High Performance Mixers and Amplifiers for RF Communications

Chris Trask / N7ZWY
Principal Engineer
Sonoran Radio Research
P.O. Box 25240
Tempe, Arizona 85285-5240

Technical Editor,
QRP Quarterly
QRP ARCI 9464

Email: ctrask@primenet.com
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

Date: Sun, 19 Dec 1999 06:39:50 -0700
From: "Steve/n0tu" <n0tu@webaccess.net>
To: "QRP-L" <QRP-L@lehigh.edu>
Subject: [58387] GET da FOX!
Message-ID: <029001bf4a26\$869cd120\$5448460f@snp.webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The FOX streaks this Monday night at (0200 UTC 12/21).

FOX: - CQ FOX de N0TU 559 CQ Steve nr 911
Freq:~ 7043KHz or 7037KHz depending on local QRM!
Rig: K2 or Sierra @4.5W

Ants: horizontal loop - 820' at 40' & G5RV at 35' it favors N&S
(new) elevated 80m inverted L (1/2 wave on 40!) only 4 radials
I just push masted this baby up yesterday. Compares favorably
w/big loop.

Log: paper and pencil - I'll be slow at this so be kind.
xx
Please call only once and off my TX freq so others can hear my
response. I'll try to avoid responding to "zerobeaters" and
multi-callers.
xx
My mission is to have FUN. Steve/n0tu - Monument, Colorado

Date: Sun, 19 Dec 1999 09:08:58 -0500
From: "John Paul Keon" <jpkeon@worldnet.att.net>
To: <qrp-l@lehigh.EDU>, "njqrp" <njqrp@njqrp.org>, "liqrp" <liqrp@vramp.net>
Cc: "klqrp" <klqrp@waterw.com>
Subject: [58388] Fw: Incredible... and I still can't believe it!
Message-ID: <001201bf4a2a\$9b648040\$02000003@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I am reposting this for my friends on the other reflectors.
We had a very good night, with mixed reception.

599 copy in Connecticut, and no copy in Maine...

Which I can not understand.

We ran QRO at just under 5 watts at times.

So it just goes to show that there are times when it is either, reception, equipment, operator or whatever.....

So thanks to all who participated.

I am gathering the logs, and getting the card finished up for this special millennium event.

Please remember to send all your cards with an SASE to me and I will send out the cards. However, I have recently taken on a part-time/fulltime job after my retirement. I am working 55 to 65 hours a week now for a while with the Disaster Relief in a very nice position to aid the people who have suffered from the flood of Hurricane Floyd. I promise to get the cards out, but I would like everyone to bear with me and if you do not get a card right away, please be patient. It will come right after the new year's event.

Mail all envelopes to:

JohnPaul Keon/AB4PP

5501 Cumberland Plain Drive

Raleigh, N.C. 27616-6372

I promise (as usual) to return all cards I receive.

JohnPaul/AB4PP

----- Original Message -----

From: <n3go@us.ibm.com>

To: <klqrp@waterw.com>

Sent: Friday, December 17, 1999 12:28 PM

Subject: Incredible... and I still can't believe it!

>

>

>

> Hello once again Gang;

>

> This is going to be a short summary, for two reasons... My head's
> still twirlin', and I'm at work with what my boss might think is more
> important things to do :-) I've got some "real" work to do to get him into
> ham radio :-)

>

> The net of this month's QRPowWow is that it was a resounding success,
> far beyond my most grandiose expectations. Sir Paul (AA4XX) failed to show
> up by 1800 as he promised, to start putting some antennas in place. I had
> my mind oriented more on two or three of us showing up with our mobile
> antennas deployed. Not to worry though, he showed up with an antenna
> work party a good bit before then, and when I arrived at 1800 sharp to
> "help" (after all... if I can come up with such wild schemes... the least

I

> can do is offer my labor), they had two (count em)... two antennas
> deployed
> that many to this day, long to have at their home QTH. A full sized 80
> meter dipole at somewhere between 50 and 60 feet, and a 33 foot (20 meter
> halfwave) vertical. Furthermore; Sir Paul's Sierra was tuned up and ready
> for service. All that was needed was an operator. While that station was
> coordinating their operating plans, Sir Dick (KG4CRU) and I scurried off
> to get my NW-20 wired to the vertical.

>
> That was just the beginning... We all had to break for dinner around
> 1900 or so, and I've yet to summarize our dining experiences. I've got a
> real job (and all day tomorrow) to sort out all that transpired. I'll wrap
> it all up with a report of our "FYB0" practice drill :-) Hopefully I'll
> be

> able to draft something coherent, and it will be an intriguing, if not a
> fun read. I was bouncing between being a camera-man, construction worker,
> food-on-the-fly scavenger, smoozer, QRP operator, and basket case. To
> quote

> one of our very own Knights (aka N3G0... viz yours truly)... "In 36 years
> of being in ham radio... I still maintain child like enthusiasm for the
> hobby". Really profound huh? Sometimes I simply amaze myself :-) I have
> some rather extraordinary experiences, and never seem to be disappointed.
> It seems that when things don't work out quite as well as planned, they
> somehow manage to work out better. My only regret is that I wasn't able to
> spend more time at the key with those of you tethered to us only by our
> mutual love of QRP, CW, camaraderie, and a fun excuse to get together for
> a

> chat. We were on 3 bands, and didn't QRT until after 2300... This
> KnightLites group is by far the most sincere, motivated, and generous
> collection of people I ever had cross my path. For those of you who fear
> that CW is on it's way out... fear no more... The KnightLites will find
> that CW (and QRP) is used extensively in Heaven.... How do I know this you
> ask??? You just have to think about it for a moment, and you too will be
> convinced... It just wouldn't be Heaven without the KnightLites, and the
> KnightLites just wouldn't feel at home without each other, and all the
> activities and the wonderful bond we share! :-)

>
> For all those who shared in the joy of the season with us last night,
> please drop me a brief e-mail citing those activities that made their mark
> with you. I want to make sure my "final" report on this is complete, as it
> will be combined with next month's report, and packaged with photo's as
> they "develop" , then shipped off to Sir Rich Arland for him to work his
> magic. A group that so profoundly contributes to our hobby, is history in
> the making, and my heart is set on getting the word out to the readers of
> QST.

>
> As I seem to be a never ending resource of "neat" ideas... I just had
> another harebrained idea... All you Knights that met with success working

> us last night... and those who are successful next month as well
> (1/20/00)... pose for a photo of yourself (and others who may have been
> with you) in your operating position, and send it along. I want to have
> lots of photo's for our records, and have lots on hand that are worthy for
> publication for Rich to choose from.
>
> Time to go to work now...
>
> 72 Gang
>
> Thanks for the memories!
>
> Gary, N3GO
>
>
> Regards;
>
> Gary O'Neil
> IBM Microelectronics
> SiGe RF Applications Engineering
> RTP, NC
> Office: (919) 543-5750 FAX : (919)-543-7382
>
>
> ===== KL QRP Club Mailing List =====
> To unsubscribe from this list, send email to listserver@vramp.net
> and put the text "unsubscribe klqrp" in the message. To post a
> message to the list, send email to klqrp@vramp.net.

Date: Sun, 19 Dec 1999 09:30:58 -0500
From: "John Paul Keon" <jpkeon@worldnet.att.net>
To: "klqrp" <klqrp@waterw.com>
Cc: "njqrp" <njqrp@njqrp.org>, <qrp-1@Lehigh.EDU>, "liqrp" <liqrp@vramp.net>
Subject: [58389] Fw: [GQRP] Her Majesty's Ether
Message-ID: <007b01bf4a2d\$acf22f80\$02000003@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I am reposting this for some of you who may never have read this
theory or story, and may add to your personal collections on the
derivations of the terminologies we use today.

I hope you can use it.

JohnPaul/AB4PP

* * * * *

----- Original Message -----

From: Paul Harden, NA5N <na5n@rt66.com>

To: <gqrp@onelist.com>

Sent: Saturday, December 18, 1999 9:33 PM

Subject: [GQRP] Her Majesty's Ether

> From: "Paul Harden, NA5N" <na5n@rt66.com>

>

> GQRP,

> I have read the posts on "stealing" electromagnetic or radio fields for
> free electricity with interest. Many years ago I did some research for
> a college paper, which I will briefly describe below, as I'm interested
> if the "Her Majesty's Ether" part is correct from the British perspective.
> Please allow for 30+ years of memory loss, however :-)

>

> The story I read was about a farmer in Great Britain in the 1930's, who
> son went on to college as an electrical engineer. His father's farm was
> located adjacent to a BBC transmitter/antenna site. His son "wired" the
> fence surrounding his fathers farm to pickup the radiation from the BBC
> transmitters to provide some modest power for illuminating his fathers
> home. Evidently he was eventually caught and taken to court for
> "stealing her Majesty's Ether," which caused quite a debate as to who
> actually owns this invisable energy (ether) once it's in "the air."

>

> It was followed with interest in the United States, because at this same
> time, our congress was developing rules and regulations to govern the
> use of this new fangled form of communication -- radio. The problem here
> was that news was sent by wireless CW to all the subscribing newspapers,
> which was easily stolen and used by other newspaper without paying. The
> providers of this CW news wanted it made illegal to receive radio
> transmissions not intended for you (or paid for by you) ... and thus very
> similar to the case in England.

>

> This resulted in the "Communications Act of 1932" passed by the U.S.
> congress, which remains in effect today over here with little changes.
> It basically states that any radio transmissions can be received and
> intercepted by anyone with the capabilities of doing so ... provided it is
> for their own entertainment only (can not be shared with others) or the
> information used not to be used for personal gain, illegal purposes, or
> eluding the police. In short, if you don't want people to "steal your
> ether," it is YOUR responsibility to secure it by scrambling or
> encrypting your signals. This law lead directly to the development of
> the radioteletype, more as a security measure, than anyother advantage at
> the time.

>
> This "Communications Act of 1932" was brought before congress in the
> 1980's to make it illegal to intercept cellphones or TV satellite
> transmissions ... or basically, a new attempt to make it illegal to "steal
> her Majesty's Ether." The chairman of this committee, congressman Barry
> Goldwater, K7UGA, decided the Communications Act needed no pertinent
> changes and was applicable today as it was yesterday, and thus it still
> stands as the main legislation governing communications in this country.
> This is why TV satellite providers and wireless telephone people were
> forced to scramble their transmissions or go to digital spread spectrum
> techniques in the 1980's, as congress would not change the laws to their
> favor.
>
> Sorry for the history lesson, but I have found it interesting, and our
> laws on the matter have always been accredited to the British Parliament
> and the way they handled the "Stealing Her Majesty's Ether" suit. Had
> our respective governments decided the radio "ether" indeed did belong to
> those who transmitted it, or to the governments, it makes you wonder if
> ham radio, or even shortwave listening, would be around today. Makes you
> appreciate our hobby and how legislation could have nearly wiped us out
> 50+ years ago.
>
> Anyway, that's how I remember it, and if anyone has a perspective or can
> correct any misconceptions I have about the British end of this, I'd
> enjoy hearing about it.
>
> Sorry for the bandwidth ... but if you've read this far, then allow me
> to at least wish you all a Merry Christmas and a great holiday.
>
> 72, Paul NA5N
>
> Stealing Her Majesty's/Uncle Sams Ether since 1960!
>
> ----- ONElist Sponsor -----
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> Click Here
>
> -----
> === Via the mailing list of the GQRP Club
http://www.btinternet.com/~g4wif/gqrp.htm ===

Date: Sun, 19 Dec 1999 10:02:21 EST

From: WB9MII@aol.com
To: qrp-1@lehigh.edu
Subject: [58390] WTB: 20 meter 5 watt CW QRP transceiver
Message-ID: <0.45b6c0bf.258e4d7d@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hello,
I'm interested in obtaining a 20 meter CW 5 watt transceiver..
Pls reply direct to:
WB9MII@AOL.COM
Thanks 72
Greg WB9MII
Qrp Arci 9719
Fists 3347

Date: Sun, 19 Dec 1999 09:40:23 -0500
From: w4bws@juno.com
To: mcgaver@execpc.com
Cc: qrp-1@Lehigh.EDU
Subject: [58391] Re: Short portable antennas
Message-ID: <19991219.101039.-207365.0.w4bws@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

I bought 2 at Walgreens and 2 at Walmart about 3 inches
in diameter for making portable antennas.
Last year I got two of the original large diameter slinky coils
from the ham in New York, I believe, who used to make them.
I lost the address and e-mail in my harddrive crash but have
been looking for the original box and hope to find it after I get
unpacked from my recent move. I packed something in it.
Don W4BWS

On Sat, 18 Dec 1999 18:57:14 -0600 "Richard McGaver" <mcgaver@execpc.com>
writes:

> I have found them at a large chain Toys R Us
> Rick NK 9G
>
> -----Original Message-----
> From: Bob Nielsen <nielsen@primenet.com>
> Someone used to sell Slinkies for antenna use (I
> haven't seen them advertised in many years, however).
> >

> >On Fri, Dec 17, 1999 at 08:55:55AM -0500, Cellobrown@aol.com wrote:
> >> Has the use of Slinkies as part of a shortened confined antenna
> (hotel rooms) been discussed?
> >>
> >> Charlie W1HZE #2085
> >
> >--
> >

Don Sanders W4BWS
694 E. Eau Gallie Blvd
Satellite Beach ,FL 32937
My favorite QRP rig glows in the dark

Date: Sun, 19 Dec 1999 10:59:20 -0500
From: "Ken Hanks" <ken.hanks@po.state.ct.us>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [58392] QRP 2000 Calendar
Message-ID: <003501bf4a3a\$0573d8a0\$d31e3ccc@acer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I just received the EPA QRP Club Contest Calendar 2000.

Outstanding job! Ron and the club have made a nice addition to any QRP'ers shack.

73,

Ken Hanks K1XS
Naugatuck, CT
Kennfd@snet.net
<http://www.qsl.net/k1xs>

Date: Sun, 19 Dec 1999 10:37:16 -0600
From: "George T. Baker" <w5yr@worldnet.att.net>
To: radman@best.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [58393] Re: Practical RF Design Manual by Doug DeMaw

Message-ID: <385D09BC.31768380@worldnet.att.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Just a tag-a-long to Conrad's recommendation of "The Art of Electronics"

First, it is an outstanding publication; though pricey it is well worth it.

Second, I saw the much awaited Second Edition in a Barnes and Noble the other day.

72/73, George

Fairview, TX 30 mi NE Dallas in Collin county

Amateur Radio W5YR, in the 54th year and it just keeps getting better!

R/C since 1964 - AMA 98452 RVing since 1972

Radman wrote:

> AND, if you don't already have a copy of "The Art of Electronics," by
> Horowitz and Hill... you have to pick that one up! :-)

Date: Sun, 19 Dec 1999 11:50:10 -0500

From: "Vincent Ferme" <vferme@sprint.ca>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [58394] Re: Practical RF Design Manual by Doug DeMaw and other books.

Message-ID: <002d01bf4a41\$1d88d6a0\$577e6395@vince>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hi George,

Is this the same "The Art of Electronics" published by Cambridge Press (ISBN 0-521-37095-7) or another book by the same name? I have the second edition published by Cambridge Press, and it came out in 1995.

To my friends in Toronto, Canada: Radioworld carries the MFJ issue of Doug DeMaw's RF book, but I don't remember the price. If you are looking for the ARRL Satellite book, U of T has it for CAD\$27.00 .

73 de Vince, VE3VFN.

----- Original Message -----

From: "George T. Baker" <w5yr@worldnet.att.net>

Second, I saw the much awaited Second Edition in a Barnes and Noble the other day.

Date: Sun, 19 Dec 1999 09:56:18 -0700 (MST)

From: Chris Trask <ctrask@primenet.com>

To: "George T. Baker" <w5yr@worldnet.att.net>

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [58395] Re: Practical RF Design Manual by Doug DeMaw

Message-ID: <Pine.BSI.3.96.991219095011.202E-100000@usr08.primenet.com>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

I picked up a copy of the second edition of "The Art of Electronics", minus the dust jacket, at a local used book store last weekend for a mere \$6.00. Outside of the missing dustjacket, there wasn't a single thing wrong with it. I turned it over to our newest engineer at work who had been looking for a good, clean copy.

I visited that same book store earlier this week and came out with a whole box full of the McGraw-Hill EE series from the 1950's at \$4 a copy. Only one of those was a new acquisition. Two replaced lesser copies that I already own. The remainder plus the two discards went into my "For Sale" pile, now about 500 books.

Chris

On Sun, 19 Dec 1999, George T. Baker wrote:

> Just a tag-a-long to Conrad's recommendation of "The Art of Electronics"
>

> First, it is an outstanding publication; though pricey it is well worth
> it.

>

> Second, I saw the much awaited Second Edition in a Barnes and Noble the
> other day.

>

> 72/73, George

> Fairview, TX 30 mi NE Dallas in Collin county

> Amateur Radio W5YR, in the 54th year and it just keeps getting better!

> R/C since 1964 - AMA 98452 RVing since 1972

In any event, the second edition is well worth the investment both in \$\$\$ to acquire the book and in time to read and work through it.

Sorry for any confusion - other than to myself, which is fairly often these days! ;^)

72/73, George

Fairview, TX 30 mi NE Dallas in Collin county

Amateur Radio W5YR, in the 54th year and it just keeps getting better!

R/C since 1964 - AMA 98452 RVing since 1972

Vincent Ferme wrote:

>

> Hi George,

>

> Is this the same "The Art of Electronics" published by Cambridge Press (ISBN
> 0-521-37095-7) or another book by the same name? I have the second edition
> published by Cambridge Press, and it came out in 1995.

>

Date: Sun, 19 Dec 1999 10:55:04 -0600

From: "Walter Dufrain" <walter@inlink.com>

To: "QRP-L" <qrp-l@lehigh.edu>

Subject: [58397] Antennas - Slinky antennas

Message-ID: <064a01bf4a41\$d1a45240\$766ac4ce@nexar>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

This is from my files from Last December 1998.....
guess the slinky fever comes with the Holiday Season.

I have no interest, so buy or not.....msg is in original
format (for the email police)

Happy Holidays

Walter, AG5P.....Wright City, Missouri

-----Original Message-----

From: Dan Romanchik <danr@izzy.net>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Date: Friday, December 11, 1998 8:35 AM

Subject: Slinky antennas for sale

>My former boss, and present client, Jon Titus, KZ1G, used to own the
>patent on Slinky antennas and still holds the trademark, "Slinky
>Dipole." When I mentioned that this list had shown some interest in the
>antenna, here's what he had to say:

>
> Thanks for asking. I have enough coils, center insulators, rope,
>and
> co-ax connectors to make up some kits for people, although I haven't
> been actively advertising the antennas for years. I still own the
>Slinky
> Dipole trademark; the patent expired a few years ago. I'd be
>pleased
> to make up kits for anyone who wants one for \$30, plus \$4 for
>shipping.
> That includes the parts noted above plus instructions.
>
> A lot of people think they can use regular Slinky toy coils, but
>they
> are only a few inches in diameter. The special coils we use are 4"
> in diameter, specially made for the right L-C loading so the
>antennas
> fit in a very small space. The toy coils take up a lot more space
>for
> the equivalent antenna. You CAN get an 80-M dipole in about 30
> feet of space. Also, if people have questions, they can drop me a
> note at harrowsmith@mediaone.net. My postal address is:
> Jon Titus, KZ1G
> 36 Sunset Drive
> Milford, MA 01757-1362
>

>73, Dan KB6NU

>=====

> Dan Romanchik
> Freelance Writer and Web Site Designer
> phone and fax: 734-930-6564
> email: d.romanchik@ieee.org, web: <http://qtb.com/danr/>
>=====

>

Date: Sun, 19 Dec 1999 10:15:00 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: w5yr@worldnet.att.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [58398] Re: Practical RF Design Manual by Doug DeMaw
Message-ID: <385CB023.CCEBD8C9@earthlink.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

When my daughter asked me for a Christmas "wish list", Horowitz & Hill's book was the only thing on it. Borders Books has the Second edition in stock....about \$69.00 as I recall.

Sure beats handkerchiefs or socks, :-)

--

73, de Roger, N7KT
qrp-l #62, NorCal #1099, Zombie #006
Mesa, AZ 85202

Date: Sun, 19 Dec 1999 12:20:52 EST
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [58399] SLINKY NITE
Message-ID: <0.8aa08eaf.258e6df4@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

With all the great chatter about slinky's, it stirs one's soul to rise to the challenge of building a *better mouse trap* errrr slinky antenna. Besides dioples, even Capt. Paul Lee in his book VERTICAL ANTENNA HANDBOOK discusses using a slinky in a vertical folded unipole.

By any s-t-r-e-t-c-h of the imagination, this could be a very interesting endeavour. I guess I will recoil for a bit and see if there is any interest

Alan KB7MBI

PS remember the attic dipole using two metal garbage can lids as hats???

Date: Sun, 19 Dec 1999 12:27:28 -0500
From: "Charles Mabbott" <crmabbott@mediaone.net>
To: "QRP-L" <qrp-l@Lehigh.edu>
Subject: [58400] QRP-L Notice
Message-ID: <001f01bf4a46\$530eaca0\$67358318@mw.mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I don't post often, but thanks for providing a great reflector and greater group of people.

Happy, safe and joyous Holidays to all! See you on the bands!
Now for the folks that run 5 watts or higher

H A P P Y H O L I D A Y S !

73,
Chuck
AA8VS
MI-QRP #M1212

Date: Sun, 19 Dec 1999 10:20:17 -0500
From: Charles Greene <cgreene@loa.com>
To: cqdx@teleport.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [58401] Re: Rigs
Message-ID: <4.2.2.19991219100154.00ab1200@mail.loa.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 09:47 PM 12/18/99 -0800, K7FD-N7SG wrote:

>WV3J says:
>
>
> >Hey Joel,
> >
> >I saw your request for comparison of the 735, 706MII and K2. I am in a
> >position to do that indirectly as far as the receivers are concerned.
>
>
>I do not have the 735 or MKII, but can compare the Omni VI, IC-775DSP,
>IC-756, TS-50s, and the K2.

>Hi Joel,

I have the Omni VI, K2 and Yaesu FT 757GX. I like the K2 best, although there are several features on the Omni-VI which are better. The Omni-VI has better selectivity with cascaded xtal filters, but you can't change their frequency which is a disadvantage when using PSK31. On the K2 you can. The K2 VOX

gain control is not separately adjustable like it is on the Omni -VI, which is a disadvantage on PSK31 if you want to use VOX. Omni has a few more controls memories, built in DSP, 100 watts 100 % duty cycle etc., both have low noise receivers with a slight edge to the K2. I like the K2 better for QSK; no relays chattering away. However, you are comparing a \$1000 radio with a \$3000 radio (price with options with both). The Omni-VI was designed in the early 90's, so a better comparison would be with one of the newer big three rigs.

The Yaesu is no comparison.

Try PSK31. Check: <http://aintel.bi.ehu.es/psk31.html>
and May 99 QST. K2 S/N 462.

Chas, W1CG

Rhode Island TCPIP Address Coordinator
w1cg@arrl.net

Date: Sun, 19 Dec 1999 17:54:16 -0600
From: "Chuck Adams K7Q0" <k7qo@primenet.com>
To: dphilbin@thegrid.net
Cc: qrp-l@lehigh.edu
Subject: [58402] Re: Practical RF Design Manual by Doug DeMaw
Message-ID: <199912191752.KAA12176@smtp04.primenet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

D.K.,

Funny you should ask as I had just taken it down from the book

case last night to research some VFO stuff and building one
Manhattan Style for an article that I'm writing.

"Practical RF Design Manual" by Doug DeMaw, W1FB.
MFJ Publishing, Starkville, MS 39759 MFJ-3507, \$19.95
<http://www.mfjenterprises.com/>

Chaper Titles:

Chapter 1. Transmitter and Receiver Fundamentals
Chapter 2. Frequency-Control Systems
Chapter 3. Small-Signal RF Amplifiers
Chapter 4. Large-Signal Amplifiers
Chapter 5. Frequency Multipliers
Chapter 6. Mixers, Balanced Modulators, and Detectors
Chapter 7. IF Amplifiers, Filters, and AGC Systems

Now there isn't too much mathematics on the derivation of some of
the formulas in the book, but there are a number of practice formulas
for circuits that require a calculator and some basic understanding of
reactance formulas, etc. As an example. On page 11 there is a
Colpitts Oscillator VFO with all the component values you need to get
it to resonate near 6.88MHz and then a mod to reduce drift that is neat.
(Get the book gang to find out.) Then on page 44 is the Pierce Osc.
with mathematical design solutions that you use a calculator to get
it on the frequency that you want. Neato stuff dudes and dudettes.

For the experimenter this is a must have book in my opinion. There are
a large number of answers to questions that come up from time to time on
the list as to why certain things happen in oscillators, transmitters,
and receivers. It is going to take anyone some time to work through this
book.

I completely support and endorse MFJ's effort to bring back into print
books and works that were out of print. Look at their list on the web page.
I recommend any of them to any radio amateur that likes to read and do
research and learn.....

And then there are all of the ARRL books, and

FYI

Chuck Adams K7QO K7QO@hotmail.com <http://www.qsl.net/k7qo/>

Date: Sun, 19 Dec 1999 18:02:12 -0600
From: "Chuck Adams K7Q0" <k7qo@primenet.com>
To: qrp-1@lehigh.edu
Subject: [58403] Re: Practical RF Design Manual
Message-ID: <199912191800.LAA13513@smtp03.primenet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Ooops. Wrong return address. Fixed Pegasus.

dit dit

Chuck Adams K7Q0 K7Q0@hotmail.com <http://www.qsl.net/k7qo/>

Date: Sun, 19 Dec 1999 12:31:55 -0600
From: Ron White <rwhite@netins.net>
To: qrp-1@Lehigh.EDU
Message-ID: <3.0.1.32.19991219123155.00720994@pop3.netins.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

What do the hounds send for an exchange when they are heard and recognized by the fox?

Thanks for any reply,

Ron
wa0mww

Ron White
e-mail: rwhite@netins.net
amateur radio: wa=D8mww
"greed kills conscience"

Date: Sun, 19 Dec 1999 13:41:50 -0500
From: "John Paul Keon" <jpkeon@worldnet.att.net>
To: "klqrp" <klqrp@waterw.com>, <qrp-1@Lehigh.EDU>, "njqrp" <njqrp@njqrp.org>, "liqrp" <liqrp@vramp.net>
Subject: [58405] Fw: [GQRP] Free Electricity

Message-ID: <004b01bf4a50\$cb5560\$02000003@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang,
here was a cute follow up, by another ham from across the pond, some a
where's,
and it was as realistik to read as you would like.
Imagine having a license to listen to the radio and one to transmit,
and since that is a real situation in other countries, it should make you
thank
your stars and the constitution that we are not in that realm
at least not yet...
JohnPaul/AB4PP
"Sir Scribe" of the Knightlites.....
----- Original Message -----
From: Robert Fowler <bobf@g3iqf.freeweb.co.uk>
To: GQRP-L <gqrp@onelist.com>
Sent: Sunday, December 19, 1999 7:07 AM
Subject: [GQRP] Free Electricity

> Hi All
> One good thing about being a Senior Citizen (or wrinkly/old git,
depending on which age group you are viewing most of us G3 plus 3s from) is
that it quite fascinating to see old ideas being resurrected every so
often. I well remember around the early 1960s one of the mags', probably
Camm's Comic, or it could have been the Radio Constructor, doing a series of
articles on running one the newfangled transistor radios using energy from
another nearby transmitter. The favourite source was the BBC long wave
station at Droitwich and you had to use a separate long wire aerial for that
and another one for the radio itself. Circuit diagrams and full
constructional details were given but the series came to an abrupt end when
one of the magazine's legal advisers cautioned that the exercise was almost
certainly against the law.
> Mind you, in those days one had to have a licence to receive broadcast
transmissions (and another one if you had a radio in the car!) so maybe, in
these more enlightened days we could probably get away with it. I can't see
a court upholding a prosecution today, but there again, I could be wrong.
> Anyway, as I say, IT HAS BEEN DONE.
> 73/72, Happy Christmas and a peaceful & healthy New Year to one and all.
> Bob (G3IQF : GQRP-024)
>
>
>
>

> [Attachments have been removed from this message]
>
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>
> -----
> === Via the mailing list of the GQRP Club
http://www.btinternet.com/~g4wif/gqrp.htm ===
>

Date: Sun, 19 Dec 1999 14:01:33 -0500
From: "Tim Cook" <timcook@erinet.com>
To: "QRP" <qrp-1@lehigh.edu>
Subject: [58406] QRP Contest Calendar!!
Message-ID: <008d01bf4a53\$78b48260\$d7735acf@erinet.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Received my copy of the Eastern PA QRP Club calendar this week and I am very pleased to say the least. With the contest dates clearly identified on the calendar and the web site and contest manager's address also included on the top page of each month of the calendar, there is no reason to miss that favorite contest.... Ron deserves a lot of credit for making this valuable asset available to the Qrp'er....

Just my 2 cents worth in case someone was thinking of getting one and hadn't yet..

Happy Holidays
Tim
NZ8J

p.s. Ron can be reached at wb3aal@talon.net

Date: Sun, 19 Dec 1999 12:10:45 -0800
From: EdLoranger <we6w@netzero.net>

To: qrp-1@lehigh.edu
Subject: [58407] NET Reminders
Message-ID: <385D3BC5.F17D3E21@netzero.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang, this is just a quick reminder of tonight's QRP nets.

NORCAL:Monday, 0200Z, 7045 KHz +/- QRM [we6w NCS]
QRQpractice:Monday, 0300Z, 7039 KHz** [we6w NCS]

** If/When band folds on 40 meters, the QRQ practice
NCS, NB6M (Wayne), will call for check-ins and
brief comments on 3579 KHz +/- QRM.

The Norcal net may fold due to lack of participation. I'm
sure we'll look into alternate time slots if this happens. This
is a typical net and round-robin style of handing off to the next
person on the list as broadcast. Latest qrp news etc., wx rpts
and what not. Always a great way to share weekend results.

The QRQ practice net is for anyone wishing to improve their
receiving AND Sending skills. If you only wish to improve
RX skills you are welcome to check in and ask to be
excused (QNX). This is great support for the net knowing
we have listeners as well as senders.

Format: I'll send 3 sentences at an acceptable copy speed and
then broadcast the order. We'll hand off to the next person
after sending the text at our speed. At the end of each round
I'll suggest a 2 WPM increase in speed. You send a little
faster each round. It is a lot of fun and when we are maxed
out we'll have a roundtable ragchew. Unfortunately, the band
has been weak at the end so we are looking at 80 meters for
wrap-up.

Hope to see you there. Best Holiday wishes from
Hotel we6w. 72
Ed Loranger, Santa Rosa, CA

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<http://www.netzero.net/download/index.html>

Date: Sun, 19 Dec 1999 12:18:31 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: "K2 list" <elecraft@qth.net>
Cc: "QRP-L List" <qrp-l@Lehigh.EDU>
Subject: [58408] More on R/S 22-504 pwr sply
Message-ID: <01bf4a5e\$38223390\$d8d4fc9e@ham.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

A further note in my on-going efforts to pull 7 pounds OUT of a 5 pound sack.

On the regulator board, I reduced the resistor in parallel with R7 to 820 ohms and get a bit better results.

The power supply now produces 14.5v with only the receive load (0.18A) on the K2.

At 15w output into a dummy load, I get 13.5v at 3.5A, as read on the K2 internal metering.

I have experimented with adding additional capacitance to the filter. It is a very simple, capacitor input filter, with no filter chokes. Additional C seems to make no difference, so I concentrated on reducing drop in the regulator circuit.

I have the K2 internal current limiting set to 4A, so this leaves me with 500mA slack to allow for a bit of reactance in a matched load at the 15w level.

My main purpose in this project was to raise the power level for the ssb option, so it wouldn't get into trouble from power supply limiting. I normally run 5w on cw.

73, Bob N6WG

Date: Sun, 19 Dec 1999 15:19:41 -0500
From: Tim English <tje@usol.com>
To: qrp-l@lehigh.edu
Subject: [58409] FS: Gel Cell Batteries
Message-ID: <3.0.6.32.19991219151941.0085d180@mail.usol.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Used 12 volt gel cell batteries. I have 4, 6 and 7AH cells available. All load tested. 30 day money back guarantee. These are removed from our customers alarm systems as preventative maintenance for our customers. A picture of what the 6 and 7 AH cells look like can be seen at:

<http://www.usol.com/~tje/battery.jpg>

They measure 6" long x 3 3/4" high and 2 1/2" wide with 1/4" spade terminals on the top. The 4 AH are the same except only about 4 1/2" long. Several different brands. Yuasa, Interstate, Powersonic, Battery Patrol, MK Battery and others. I cannot guarantee which brand you will get however. Hundreds sold in the past on this mailing list, eBay and USENET. I stand behind what I sell.

12 volt 7AH --- \$14 shipped CONUS
12 volt 6AH --- \$12 shipped CONUS
12 volt 4AH --- \$10 shipped CONUS

Thanks and 73/72,
Tim, K8TJ

Date: Sun, 19 Dec 1999 12:29:54 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@Lehigh.EDU>
Subject: [58410] 160m Stew Perry Challenge contest
Message-ID: <01bf4a5f\$ceec89a0\$d8d4fc9e@ham.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I worked this contest Saturday with the K2 at 5w.

Got in 4 contacts at the start, around 7:30AM here. In the evening, I got in 51 more contacts up to a bit past midnight. I let the hard core testers carry on over night.

I was a bit disappointed, as this was only my second try at doing something on 160m in 47 years of hamming. The turnout seemed lighter than for the 160m contest two weeks ago, and conditions seemed poorer. Stations I worked easily two weeks ago I could hardly hear Saturday and didn't work at all.

Anyway, it was fun. My improved 160m antenna seemed to work as intended, so

now I hope to stir up a bit of 160m activity from time to time. I think my next project has to be a 160m receiving loop, though, as my vertical is noisy on this band.

Now I have to figure out where all the stations I worked are located. The exchange was your grid reference, rather than a state. So I have a bunch of references like CM87 (me) to puzzle out.

73, Bob N6WG

Date: Sun, 19 Dec 1999 15:28:36 EST
From: REDSBOY@aol.com
To: qrp-l@lehigh.edu
Subject: [58411] QRP-L Number - How?
Message-ID: <0.c4df1894.258e99f4@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Folks, it must be my age (senile?). I was asked how a person gets a qrp-l number, and frankly, I don't know how one does that now. Can you help me, Please? Just send me an e-mail to redsboy@aol.com

Thanks

Karl - W4UTI #1097

Date: Sun, 19 Dec 1999 15:06:19 -0600
From: Goemans <jgoemans@facstaff.wisc.edu>
To: qrp-l@lehigh.edu
Subject: [58412] MRX-40 test successful!
Message-ID: <3.0.2.32.19991219150619.006bc33c@facstaff.wisc.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi gang,

I have been "exercising" all my QRP boxes over the last few days, on 40, 30 and 20 mtrs. This afternoon I hauled out my most "minimal" setup, a Kanga "oner" with appropriate LPF and T/R switching, lashed to a MRX-40 in a seperate box. The MRX-40 runs off an internal 9v battery. Second CQ, I get a response from K0PC/QRP in Mn! Success! Pat was running a DSW-40. My output was about 700mW. So, in addition to all the TT2-MRX-40 postings lately, just wanted all

to know that another MRX-40 still lives! Maybe tonite I will try the Kantronics Rockhound!

72, Paul FISTS #2153

PS Pat is a FISTS member also!

Paul Goemans WA9PWP
1508 Sundt Lane Stoughton, Wi 53589

Date: Sun, 19 Dec 1999 09:28:27 EST
From: kc8aon@juno.com
To: BenNW7DX@aol.com, qrp-1@Lehigh.EDU
Subject: [58413] Re: Neat light source for QRP operations
Message-ID: <19991219.160415.4575.0.kc8aon@juno.com>

Gang,

What about using LEDs for a really neat light source while operating in the field ? You could mount them on a general purpose circuit board in a row or bunched together in a square or something like that, and you can get them in almost any color - any thoughts ?

73.....Rick kc8aon

>Hello,
> While the power went out over here from high winds, I used
>something that
>could probably also be used for portable operations. This is a "book
>light"
>(they are small lights that clip on to books for reading).

>
>73,
>Ben - NW7DX
>Seattle, WA

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Date: Sun, 19 Dec 1999 16:13:00 EST
From: BenNW7DX@aol.com
To: kc8aon@juno.com, qrp-1@lehigh.edu
Subject: [58414] Re: Neat light source for QRP operations
Message-ID: <0.c6b573af.258ea45c@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Rick,

At www.electronicsusa.com (ex whiterook paddle company) They have something like what are explaining. They are little boxes with high-powered LED's on the bottom of one of the sides, which can light up the front panel of the rig. Has anybody had any experience with these?

Ben - NW7DX
Seattle, WA

<< Gang,

What about using LEDs for a really neat light source while operating in the field ? You could mount them on a general purpose circuit board in a row or bunched together in a square or something like that, and you can get them in almost any color - any thoughts ?

73.....Rick kc8aon >>

Date: Sun, 19 Dec 1999 16:21:26 -0500
From: Gordon <gordon@znet.groupz.net>
To: qrp-1@Lehigh.EDU
Subject: [58415] nbr
Message-ID: <4.2.0.58.19991219162031.00968d20@mail.groupz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

RUN QRP-L X GETNR W4KYW

Date: Sun, 19 Dec 1999 16:26:35 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: w4bws@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [58416] Re: Short portable antennas
Message-ID: <385D4D8B.2A1@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Don,

One point about Slinkys you might want to check. The originals were turnings by a lathe made from metal. Many of the smaller diameter slinkys are made of plastic!

73

Date: Sun, 19 Dec 1999 16:56:12 -0500
From: Charles Greene <cgreene@loa.com>
To: qrp-l@Lehigh.EDU
Subject: [58417] RF Feedback
Message-ID: <4.2.2.19991219163531.00a855c0@mail.loa.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I have a case of RF feedback here. It is occurring on my Yaesu FT-757GX when I try to operate PSK31 or SSB at powers over about 15 watts. I didn't have it with my Omni-VI running 100 watts and using the same setup except a different power supply. I tried a W2DU 1:1 balun in the antenna lead (Hustler 5BTV) but it didn't help. Anyone have any suggestions (besides dump the 757)?

Try PSK31. Check: <http://aintel.bi.ehu.es/psk31.html>
and May 99 QST. K2 S/N 462.

Chas, W1CG

Rhode Island TCPIP Address Coordinator
w1cg@arrl.net

Date: Sun, 19 Dec 1999 17:08:32 -0500
From: "Ron Polityka" <wb3aal@talon.net>
To: ". QRP-L" <qrp-l@Lehigh.EDU>, <kc8aon@juno.com>
Subject: [58418] Re: Neat light source for QRP operations
Message-ID: <05de01bf4a6d\$977ff7a0\$19e508cf@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello Rick & QRP-L Land,

The Eastern PA QRP Club has tested a LED light during the Field Day 1999. It was a series of Red LEDs and it ran all night, 10 hours, on one 7 amp hour battery. The great thing with the Red LEDs was, it did not attract the bugs. When someone turned on a flash light all the bugs went to the white light. So stay tuned and watch this Web Site for more details:
http://www.kpsnet.com/wb3aal/Start_Page.htm

The Eastern PA QRP Club has a Red LED Kit in the works to sell to the QRP community, should be out soon.

----- Original Message -----
From: <kc8aon@juno.com>
Sent: Sunday, December 19, 1999 9:28 AM
Subject: Re: Neat light source for QRP operations

> Gang,
>
> What about using LEDs for a really neat light source while operating in
> the field ? You could mount them on a general purpose circuit board in a
> row or bunched together in a square or something like that, and you can
> get them in almost any color - any thoughts ?
>
> 73.....Rick kc8aon
>
> >Hello,

> > While the power went out over here from high winds, I used
> > something that
> > could probably also be used for portable operations. This is a "book
> > light"
> > (they are small lights that clip on to books for reading).
> >
> > 73,
> > Ben - NW7DX
> > Seattle, WA

Happy Holidays!

72 & 73
Good DXing

Ron Polityka
de WB3AAL
wb3aal@talon.net

vvv Eastern Pennsylvania QRP Web Page vvv
http://www.kpsnet.com/wb3aal/Start_Page.htm
Eastern Pennsylvania QRP Club Call --> N3EPA

EPA QRP #1	NJ QRP #179
KL7 QRP # 309	G-QRP # 3031
ARCI QRP # 5318	10 - X #13173
NorCal	Zombie #625
ARS # 380	HI-QRP #153
VA QRP Society	

SETI @ Home Project
<http://setiathome.ssl.berkeley.edu>
120 + Work Units Completed

Date: Sun, 19 Dec 1999 17:18:41 -0500
From: The Boices <kw1nd@arrl.net>
To: qrp-1@Lehigh.EDU
Subject: [58419] FS: Wilderness Sierra
Message-ID: <3.0.6.32.19991219171841.007a2870@pop.megalink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

For Sale: my 2 year old Wilderness Sierra, with KC2 installed. All works
just fine, with nary a problem. Case is in great shape. I've got a K2
now, but even that remains idle with my work & family schedule. The

receiver is just fine, and I've worked a lot of DX with it. It includes the original manual, a printed copy of mods saved off QRP-L (forwarded to me some time back by another lister), power cord, and assembled modules for 15, 17 and 30 meters. I just checked them the other day with an RF probe and DMM, all were within 1.6 - 2 watts with 12.5 volts in, and 2 to 2.5 with 13.8 volts in.

Also included is a 40 meter module which seems to receive just fine, but one day suddenly decided to stop transmitting. Previously, it had worked just fine. Judging by that and since all the other modules work, its problem probably isn't too serious.

All this was somewhere over \$400 new, and I'm asking \$300, plus your choice of shipping. First offer of asking price (or higher ;-) gets it, payable by money order. COD is available, but the fee is payable by the buyer.

72,

Mike Boice, KW1ND
New Gloucester, Maine FN43uw

Date: Sun, 19 Dec 1999 14:54:13 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-l@Lehigh.EDU>
Subject: [58420] Re: Neat light source for QRP operations
Message-ID: <01bf4a73\$f8535ad0\$14dbfc9e@ham.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Ben

Last Field Day I operated with an LED night light I built myself. I used two strings of 5 hi-intensity yellow LEDs, arranged in a circle, and run off a small 12v battery.

I used a short section of cardboard mailing tube for the body, and mounted the circle of LEDs in the plastic cap that snaps into the end of the tube. I used a short chunk of 2x4 wood for a base, and a wire coat hanger for the support arm.

The LEDs were all aimed at the same general area for maximum light. It lit up the work surface just fine. Only drawback was the light was more of a deep honey color. I'm going to see if I can find some LEDs that have more of a lemon yellow light, as it would seem brighter to me.

It was a fun project to tinker with, and actually served a useful purpose.
73, Bob N6WG

End of QRP-L Digest 1674
